

Please amend claim 2 as follows:

2. (once amended) [A]The radioactive source [as claimed in]of claim 1 wherein the substrate plus the adsorbed iodine is sealed within a biocompatible container.

Please amend claim 3 as follows:

3. (once amended) [A]The radioactive source [as claimed in]of claim 2 wherein the container is echogenic.

Please amend claim 4 as follows:

4. (once amended) [A]The radioactive source [as claimed in any of claims 1 to 3]of claim 1 wherein the isotope of iodine is iodine-125.

Please amend claim 5 as follows:

5. (once amended) [A]The radioactive source [as claimed in any of claims 1 to 4]of claim 1 which has an activity in the range of about 200 mCi to about 1200 mCi.

Please amend claim 6 as follows:



9. (once amended) [A]~~The~~ radioactive source [as claimed in any of claims 1 to 7]~~of~~  
claim 1 wherein the substrate is carbon.

Please amend claim 10 as follows:

10. (once amended) [A]~~The~~ radioactive source [as claimed in any one of claims 1 to 9  
which]~~of claim 1~~ further [~~comprises~~]comprising a binder.

Please amend claim 11 as follows:

11. (once amended) A method for the preparation of a radioactive substrate suitable  
for use in a brachytherapy source, [the method ]~~comprising~~ exposing a  
substantially non-radiation attenuating substance, other than an ion-exchange  
resin, to a source of radioactive iodide ions such that the iodide ions are adsorbed  
onto the surface of the substrate.

Please amend claim 12 as follows:

12. (once amended) A method for the preparation of a radioactive substrate suitable  
for use in a brachytherapy source, [the method ]~~comprising~~ exposing a  
substantially non-radiation attenuating substrate to a radioactive iodine-containing  
compound such that the iodine-containing compound is adsorbed onto the surface  
of the substrate.

Please amend claim 13 as follows:

13. (once amended) A method of treatment of a condition which is responsive to radiation therapy which comprises the temporary placement of [a]the radioactive source, [~~comprising~~]including a radioisotope of iodine in the form of iodide ions or an iodine-containing compound adsorbed on the surface of a substantially non-radiation attenuating substrate, of claim 1 at the site to be treated within a patient for a sufficient period of time to deliver a therapeutically effective dose.

Please amend claim 14 as follows:

14. (once amended) A method for the inhibition of restenosis at a site within the vascular system of a patient which has previously been subjected to PTCA, the method comprising the temporary placement of [a]the radioactive source, [~~comprising~~]including a radioisotope of iodine in the form of iodide ions or an iodine-containing compound adsorbed on the surface of a substantially non-radiation attenuating substrate, of claim 1 at the site to be treated within a patient for a sufficient period of time to deliver a therapeutically effective dose.

Please amend claim 15 as follows: